Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-8. (Cancelled)

9. (Original) A thermoplastic polyester preform comprising a thermoplastic polyester and a substituted cyclodextrin compound, the preform comprising about 100 parts by weight to 1400 parts by weight of the substituted cyclodextrin compound per each one million parts of polyester resin, the substituted cyclodextrin having a degree of substitution of about 0.3 to 1.8; wherein the cyclodextrin is substantially free of any compound in the central pore of the cyclodextrin ring and the cyclodextrin is present in an effective amount to complex catalyst residue.

10. (Original) The preform of claim 9 wherein the polyester comprises at least 60 % by weight polyethylene terephthalate units and up to 40 % by weight other polymers.

11. (Original) The chip of claim 9 wherein the polyester comprises at least 60 % by weight polyethylene naphthalate units and up to 40 % by weight other polymers.

12. (Original) The chip of claim 9 wherein the polyester comprises a copolymer of polyethylene terephthalate/isophthalate and the cyclodextrin is a non-reducing carbohydrate.

13. (Original) The preform of claim 9 wherein the cyclodextrin compound has a substituent substantially on at least one -OH group on the -6 position of the glucose moiety in the cyclodextrin

14. (Original) The preform of claim 13 wherein the cyclodextrin compound comprises a 6-O-Methyl ether.

15. (Original) The chip of claim 13 wherein the cyclodextrin compound comprises a 6-O Acetyl ester.

16. (Original) The preform of claim 13 wherein the cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 in an amount of about 350 parts by weight to about 900 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.

17. (Original) A thermoplastic polyester beverage container comprising a thermoplastic polyester and a substituted cyclodextrin compound, the container comprising about 100 parts by weight to 1400 parts by weight of the substituted cyclodextrin compound per each one million parts of polyester resin, the substituted cyclodextrin having a degree of substitution of about 0.5 to 1.8; wherein the cyclodextrin is substantially free of any compound in the central pore of the cyclodextrin ring and the cyclodextrin is present in an effective amount to complex catalyst residue.

18. (Original) The container of claim 17 wherein the polyester comprises at least 60 % by weight polyethylene terephthalate units and up to 40 % by weight other polymers.

19. (Original) The container of claim 17 wherein the polyester comprises at least 60 % by weight polyethylene naphthalate units and up to 40 % by weight other polymers.

20. (Original) The chip of claim 17 wherein the polyester comprises a copolymer of polyethylene terephthalate/isophthalate and the cyclodextrin is a non-reducing carbohydrate.

21. (Original) The container of claim 17 wherein the cyclodextrin compound has a substituent substantially on at least one -OH group on the -6 position of the glucose moiety in the cyclodextrin

22. (Original) The container of claim 21 wherein the cyclodextrin compound comprises a 6-O-Methyl.

23. (Original) The container of claim 21 wherein the cyclodextrin compound comprises a 6-O Acetyl ester.

24. (Original) The container of claim 17 wherein the cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 in an amount of about 350 parts by weight to about 900 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.

25-69. (Cancelled)

70. (Previously presented) A polyester chip comprising a coating formed substantially on the exterior of the chip, the chip coating comprising an effective barrier amount of the substituted cyclodextrin compound, the cyclodextrin having a degree of substitution of about 0.3 to 1.8; wherein the substituted cyclodextrin is substantially free of a compound in the central pore of the cyclodextrin ring and the cyclodextrin is present in an effective amount to complex catalyst residue.

71. (Previously presented) The chip of claim 70 wherein the polyester comprises at least 60% by weight polyethylene terephthalate units and up to 40 % by weight other polymers.

72. (Previously presented) The chip of claim 70 wherein the polyester comprises at least 60 % by weight polyethylene naphthalate units and up to 40 % by weight other polymers.

73. (Previously presented) The chip of claim 70 wherein the polyester comprises a copolymer of polyethylene terephthalate/isophthalate and the cyclodextrin is a non-reducing carbohydrate.

74. (Previously presented) The chip of claim 70 wherein the cyclodextrin compound has a substituent substantially on at least one -OH group at the -6 position of the glucose moiety in the cyclodextrin

75. (Previously presented) The chip of claim 74 wherein the cyclodextrin compound comprises a 6-O-Methyl ether.

76. (Previously presented) The chip of claim 74 wherein the cyclodextrin compound comprises a 6-O Acetyl ester.

77. (Previously presented) The chip of claim 70 wherein the substituted cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 and is present in an amount of about 100 parts by weight to 1400 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.

78. (Previously presented) The chip of claim 70 wherein the substituted cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 and is present in an amount of about 350 parts by weight to about 900 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.

79. (Previously presented) A method of manufacturing a barrier material comprising the steps of:

(a) combining a polymer and an effective barrier amount of a modified polymer, the modified polymer comprising a cyclodextrin bonded to a backbone of the polymer through an acid or anhydride residue or to a carbon in a pendent group through an acid or anhydride residue; wherein the cyclodextrin compound is substantially free of the compound in central core of the cyclodextrin ring; and

(b) extruding the polymer and modified polymer to form a barrier composition comprising about 0.01 to 10 wt% of the modified polymer.

80. (Previously presented) The method of claim 79 wherein the polymer is a polyester.

81. (Previously presented) The method of claim 79 wherein the polyester comprises at least 60 % by weight polyethylene terephthalate units and up to 40 % by weight other polymers.

82. (Previously presented) The method of claim 79 wherein the polyester comprises at least 60 % by weight polyethylene naphthalate units and up to 40 % by weight other polymers.

83. (Previously presented) The method of claim 79 wherein the polyester comprises a copolymer of polyethylene terephthalate/isophthalate and the cyclodextrin is a non-reducing carbohydrate.

84. (Previously presented) The method of claim 79 wherein the cyclodextrin compound has a substituent substantially on at least one -OH group at the -6 position of the glucose moiety in the cyclodextrin.

85. (Previously presented) The method of claim 84 wherein the cyclodextrin compound comprises a 6-O-Methyl ether.

86. (Previously presented) The method of claim 84 wherein the cyclodextrin compound comprises a 6-O Acetyl ester.

87. (Previously presented) The method of claim 79 wherein the substituted cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 and is present in an amount of about 100 parts by weight to 1400 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.

88. (Previously presented) The method of claim 79 wherein the substituted cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 and is present in an amount of about 350 parts by weight to about 900 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.

89. (New) A method of manufacturing a barrier material comprising the steps of:

(a) combining a polymer chip and an effective barrier amount of a coated polymer chip to form an extrudable composition, the coated chip comprising an effective barrier amount of the substituted cyclodextrin compound, the cyclodextrin having a

degree of substitution of about 0.3 to 1.8; wherein the substituted cyclodextrin is substantially free of a compound in the central pore of the cyclodextrin ring and the cyclodextrin is present in an effective amount to complex catalyst residue; and

(b) extruding the extrudable composition to form the barrier composition comprising about 0.01 to 10 wt% of the modified polymer.

90. (New) The method of claim 89 wherein the polymer is a polyester.

91. (New) The method of claim 89 wherein the polyester comprises at least 60 % by weight polyethylene terephthalate units and up to 40 % by weight other polymers.

92. (New) The method of claim 89 wherein the polyester comprises at least 60 % by weight polyethylene naphthalate units and up to 40 % by weight other polymers.

93. (New) The method of claim 89 wherein the polyester comprises a copolymer of polyethylene terephthalate/isophthalate and the cyclodextrin is a non-reducing carbohydrate.

94. (New) The method of claim 89 wherein the cyclodextrin compound has a substituent substantially on at least one -OH group at the -6 position of the glucose moiety in the cyclodextrin.

95. (New) The method of claim 94 wherein the cyclodextrin compound comprises a 6-O-Methyl ether.

96. (New) The method of claim 94 wherein the cyclodextrin compound comprises a 6-O acetyl ester.

97. (New) The method of claim 89 wherein the substituted cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 and is present in the barrier composition in an amount of about 100 parts by weight to 1400 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.

98. (New) The method of claim 89 wherein the substituted cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 and is present in the barrier composition in an amount of about 350 parts by weight to about 900 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.